

Plant Experiment Lab Report

Question: Will red clover seeds germinate/grow better if the seeds are below the soil or above the soil within 7 days?

Hypothesis: If I plant red clover seeds below the soil then they will grow better than those above the soil within 7 days.

Materials:

- 3 plastic dixie cups
- 10 red clover seeds
- Pipette
- sink/faucet for room temperature water
- Paper
- Pencil
- Tester
- Sharpie
- Soil
- Spoon
- Ruler
- Window sill

Experimental Protocol:

1. On one dixie cup write "cup A" with sharpie, on another dixie cup write "cup B" with a sharpie
2. On all 3 cups write your name
3. Fill cup A with soil, using the spoon, to the top
4. In cup A place 5 red clover seeds evenly spaced on top the soil like so:
5. Fill cup B with soil, using the spoon, $\frac{4}{5}$ full
6. In cup B place 5 red clover seeds evenly spaced on top of the soil like so:
7. In cup B cover up the seeds by using the spoon to make a layer of soil over top the seeds to fill the remaining $\frac{1}{5}$ of the cup
8. Fill the remaining dixie cup with water from the faucet.
9. Use the pipette to water both cups with 6ml for 7 days (skip weekends)
10. Place cup A and cup B on the window sill and set the water cup aside
11. Report the growth of the seeds the 7 days by measuring the height in cm and recording on a chart using the pencil and paper. (record the day number and the height of each seed)
12. Draw a picture of both cups each day

